

Abstract

Billing method and billing system to determine usage fees which are charged to the user of a digital telecommunications network, whereby a usage fee charged for a connection is determined prior to establishing this connection from statistical characteristics of previous connections of the user.

Preferably, the usage fees are determined from a dynamic client profile stored in a first memory area, which profile is derived from one or multiple random variables of previous connections of the user of the digital telecommunications network. After new connections of the user, the stored client profile is again dynamically derived.

In a simple variant, the client profile contains a value proportional to the average price per connection or to the average duration of a connection of the user.

In a preferred embodiment, the client profile also contains multi-dimensional functions of random variables of previous connections of the user of the digital telecommunications network.

The random variables used to derive the client profile include, for example, the connection duration, the time of day, the day of the week, and/or geographic characteristics of previous connections.

Preferably, the usage fees are also dependent on a statistically derived system load.

Advantages: for example, in a pre-paid system, the usage fees can be charged already prior to establishing the connection.

(Figure 5)